

Amendment to the Claim

Claim 1. (Currently Amended) A ~~methods~~ method in a computer system for detecting myocardial infarction comprising

- receiving ECG data;
- analyzing the ECG data for benign ST data; and
- when the ST data is not benign;
 - establishing a pathological threshold;
 - normalizing any deviation in the ECG data;
 - applying a pattern analysis to the normalized ECG data; and
 - generating a score indicating presence of a myocardial infarction
based on the pattern analysis and the threshold.